

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat $40^{\circ}33'28''$, long $111^{\circ}10'05''$, in NE $^1/4$ NW $^1/4$ SE $^1/4$ sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi 2 .

PERIOD OF RECORD.--July 1963 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft 3 /s, Jun 7, 1986, from rating curve extended above 2,000 ft 3 /s on the basis of slope-area measurement of peak flow, gage height, 7.40 ft, datum then in use; minimum, 16 ft 3 /s, Nov 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,480 ft 3 /s, May 20, gage height, 4.99 ft; minimum discharge, 26 ft 3 /s, Oct 1.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	60	49	e48	45	44	93	358	815	48	54	29
2	28	48	52	e46	45	38	109	333	724	48	56	29
3	30	46	55	e46	44	40	120	355	615	51	54	30
4	32	46	53	48	44	41	135	347	513	52	54	30
5	33	43	51	46	44	44	157	415	453	52	55	30
6	32	46	e50	e48	45	45	171	468	419	52	51	31
7	33	58	e51	49	46	45	171	599	395	47	53	38
8	33	55	48	50	47	43	177	556	356	45	51	39
9	39	47	e50	50	46	43	169	501	324	43	51	37
10	38	46	e52	47	44	48	177	451	288	45	54	34
11	39	47	56	48	46	46	169	395	253	45	55	35
12	38	45	50	50	45	46	171	364	219	43	54	44
13	38	47	51	45	42	48	185	447	198	45	50	45
14	36	46	55	37	45	48	225	641	177	49	50	37
15	36	45	51	e42	43	43	267	767	168	56	50	35
16	37	42	43	44	44	48	248	838	154	64	53	36
17	36	44	e44	43	45	47	208	832	138	69	54	51
18	36	44	e47	45	45	44	179	1020	89	69	51	78
19	35	41	50	43	45	45	172	1170	78	64	50	75
20	36	37	51	46	46	47	165	1270	74	64	54	65
21	35	44	52	48	42	50	152	1210	77	61	54	59
22	35	50	49	47	47	54	146	828	77	57	53	55
23	37	51	42	44	48	59	158	646	71	58	43	51
24	37	46	43	45	47	57	173	554	66	59	33	51
25	34	48	41	47	42	53	183	503	65	57	31	49
26	35	53	43	49	40	52	213	501	63	60	30	47
27	35	43	48	48	48	57	248	529	62	56	29	47
28	35	44	51	48	46	60	220	646	54	56	29	46
29	35	e46	50	43	---	65	218	758	52	56	30	47
30	38	e48	51	42	---	71	287	830	50	57	29	57
31	68	---	49	44	---	80	---	871	---	55	29	---
TOTAL	1117	1406	1528	1426	1256	1551	5466	20003	7087	1683	1444	1337
MEAN	36.03	46.87	49.29	46.00	44.86	50.03	182.2	645.3	236.2	54.29	46.58	44.57
MAX	68	60	56	50	48	80	287	1270	815	69	56	78
MIN	28	37	41	37	40	38	93	333	50	43	29	29
AC-FT	2220	2790	3030	2830	2490	3080	10840	39680	14060	3340	2860	2650

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2002, BY WATER YEAR (WY)

MEAN	73.15	66.71	61.49	59.71	58.96	75.01	195.6	799.5	783.2	246.3	115.2	80.77
MAX	155	97.9	97.3	86.9	95.7	198	370	1348	1653	730	255	166
(WY)	1983	1983	1984	1984	1986	1986	1985	1997	1995	1995	1965	1982
MIN	36.0	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	2002	1993	1977	1977	1977	1977	1975	1977	1992	1992	1992	1992

JORDAN RIVER BASIN

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SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1964 - 2002
ANNUAL TOTAL	54844	45304	
ANNUAL MEAN	150.3	124.1	
HIGHEST ANNUAL MEAN			218.5
LOWEST ANNUAL MEAN			351
HIGHEST DAILY MEAN	1970	May 16	71.3
LOWEST DAILY MEAN	28	Sep 7	2530
ANNUAL SEVEN-DAY MINIMUM	28	Sep 24	May 28 1979
ANNUAL RUNOFF (AC-FT)	108800	89860	24 Aug 26 1992
10 PERCENT EXCEEDS	370	355	25 Aug 24 1992
50 PERCENT EXCEEDS	57	50	635 80
90 PERCENT EXCEEDS	33	36	47

e Estimated

